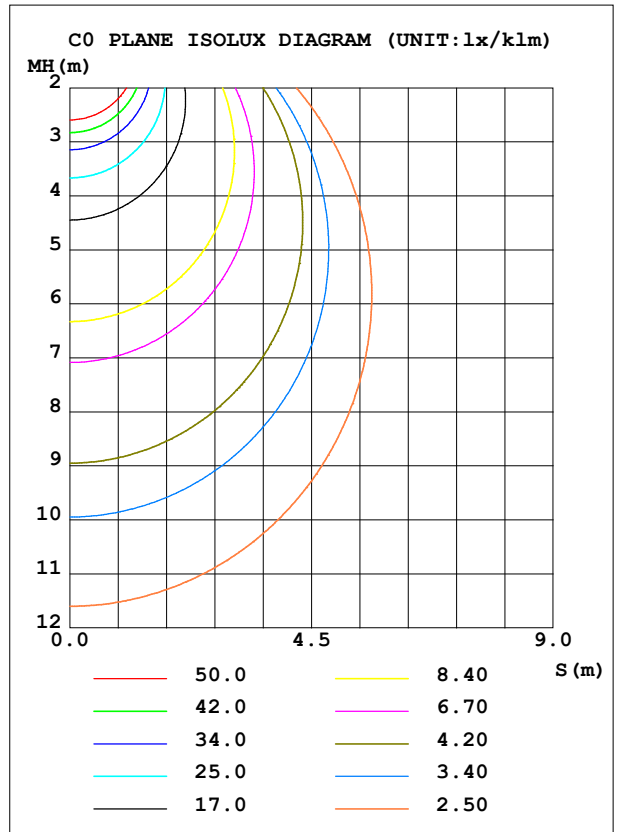
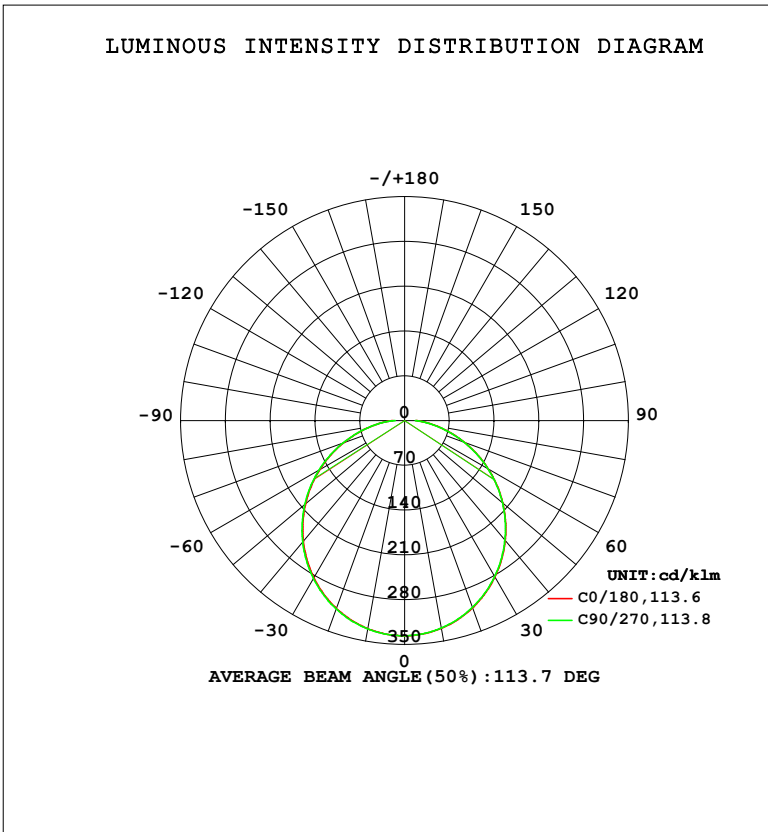


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL: CSC3025-LED-PIR-5CCT-WH		Imax (cd/klm)	336.4	S/MH (C0/180)	1.25
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm/klm)	1000.00	η UP, DN (C0-180)	0.0, 49.7
NOMINAL FLUX (lm)	923.505	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

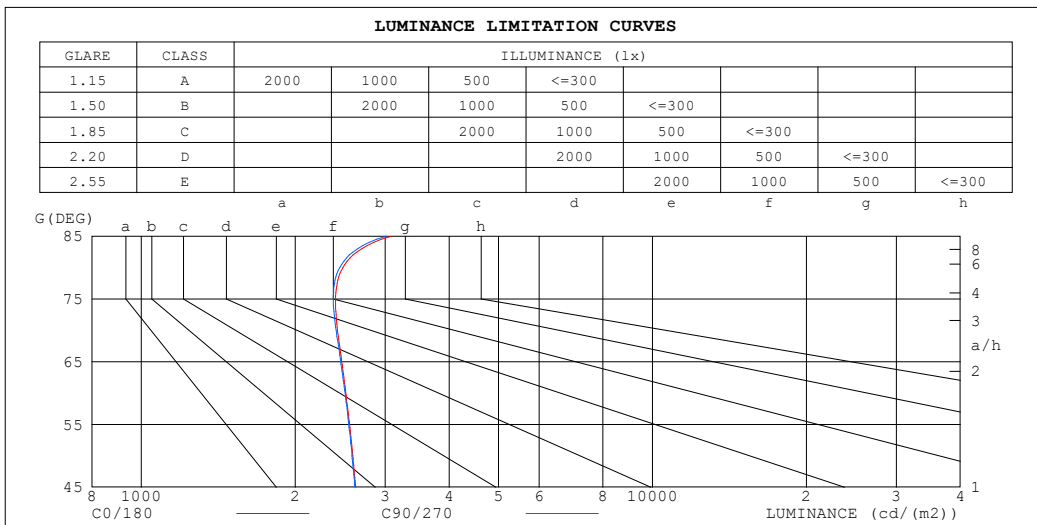
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	329.8	329.5	329.3	329.6	330.3	330.9	330.8	330.4	0- 10	31.81	31.81	3.18,3.18
20	311.3	310.7	310.6	311.0	312.4	313.3	313.3	312.6	10- 20	90.98	122.8	12.3,12.3
30	282.4	281.7	281.5	282.0	283.8	285.1	285.1	284.1	20- 30	137.7	260.5	26,26
40	244.8	244.3	244.1	244.4	246.4	247.9	247.9	246.6	30- 40	166.1	426.6	42.7,42.7
50	200.4	199.9	199.7	200.0	202.1	203.8	203.7	202.3	40- 50	173.1	599.7	60,60
60	151.2	150.8	150.6	151.0	153.0	154.6	154.5	153.1	50- 60	158.6	758.3	75.8,75.8
70	99.57	99.28	98.97	99.46	101.4	102.9	102.7	101.5	60- 70	125.3	883.6	88.4,88.4
80	51.79	51.56	51.06	51.85	53.22	54.35	53.48	53.24	70- 80	80.19	963.8	96.4,96.4
90	17.91	17.92	16.75	17.22	18.26	18.63	14.77	17.79	80- 90	36.23	1000.0	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	3081	3010
80	2479	2444
75	2398	2374
70	2420	2405
65	2467	2455
60	2513	2503
55	2556	2547
50	2591	2583
45	2625	2617

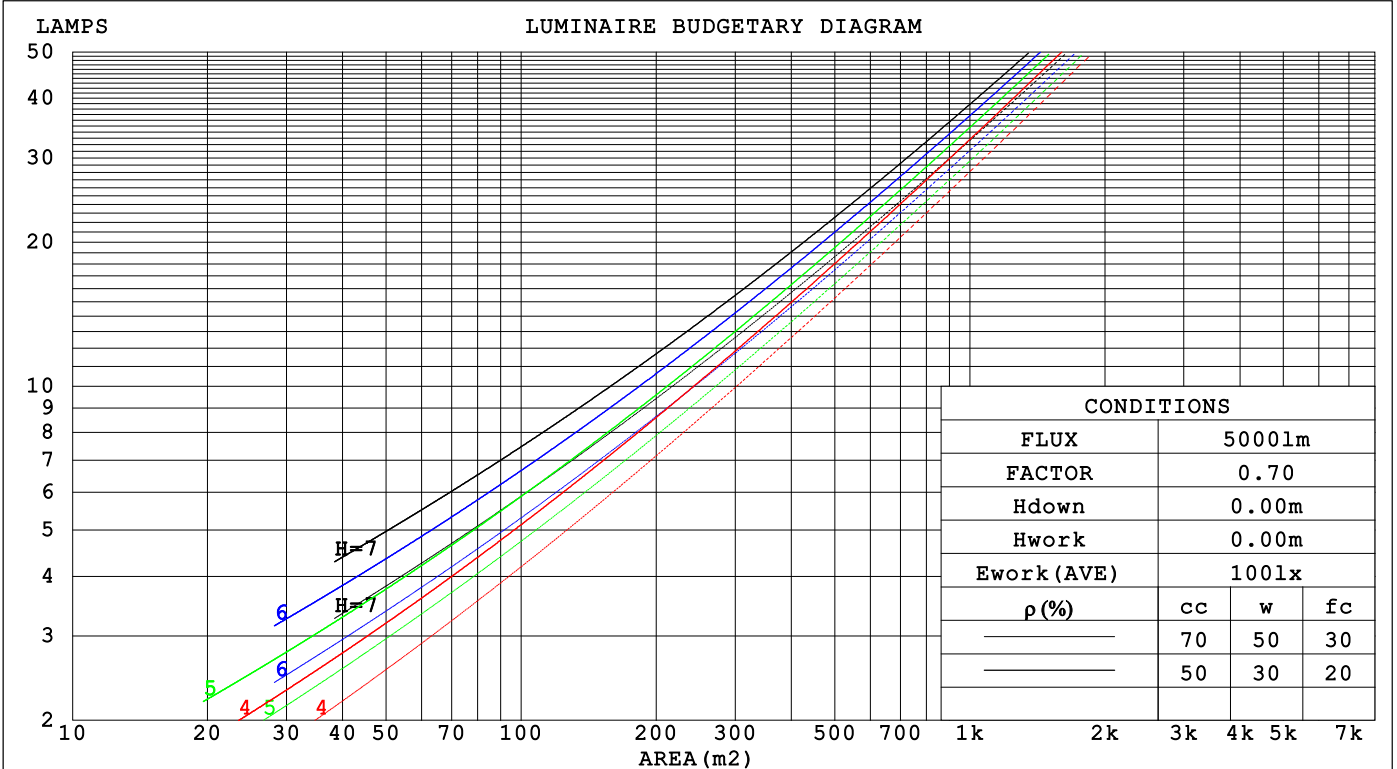
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.98	.94	1.00	.96	.92	.96	.93	.89	.92	.89	.87	.88	.86	.84	.82
2.0	.89	.82	.76	.87	.80	.75	.83	.78	.73	.80	.75	.71	.77	.73	.70	.67
3.0	.78	.69	.63	.76	.68	.62	.73	.66	.61	.70	.65	.60	.68	.63	.59	.56
4.0	.69	.60	.53	.67	.59	.52	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.61	.52	.45	.60	.52	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.55	.46	.40	.54	.46	.39	.52	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.34	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz		
Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.334	.190	.060	.326	.186	.059	.313	.180	.057	.301	.173	.056	.289	.168	.054	
2.0	.306	.168	.051	.299	.165	.051	.288	.160	.050	.277	.155	.049	.267	.151	.048	
3.0	.279	.149	.045	.274	.147	.044	.263	.143	.043	.254	.139	.043	.245	.136	.042	
4.0	.256	.133	.039	.251	.131	.039	.242	.128	.038	.233	.125	.038	.225	.122	.037	
5.0	.235	.120	.035	.231	.119	.035	.223	.116	.034	.215	.114	.034	.208	.111	.033	
6.0	.218	.109	.031	.214	.108	.031	.206	.106	.031	.200	.104	.030	.193	.102	.030	
7.0	.202	.100	.028	.198	.099	.028	.192	.097	.028	.186	.095	.028	.180	.094	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.090	.026	.174	.088	.025	.169	.087	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.081	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.154	.076	.022	.149	.075	.022	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.182	.156	.132	.156	.134	.114	.106	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.174	.132	.096	.149	.113	.083	.102	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.166	.114	.073	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.009	
4.0	.159	.101	.057	.136	.087	.050	.094	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.077	.042	.018	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.3	17.9	16.6	18.1	18.3	16.3	17.9	16.6	18.1	18.3
3H	18.0	19.4	18.3	19.7	19.9	18.0	19.4	18.3	19.7	19.9
4H	18.7	20.1	19.0	20.4	20.6	18.7	20.1	19.0	20.3	20.6
6H	19.4	20.7	19.7	20.9	21.2	19.3	20.6	19.7	20.9	21.2
8H	19.6	20.9	20.0	21.2	21.5	19.6	20.9	19.9	21.1	21.4
12H	19.9	21.1	20.3	21.4	21.7	19.9	21.1	20.2	21.4	21.7
4H 2H	17.0	18.4	17.3	18.6	18.9	17.0	18.3	17.3	18.6	18.9
3H	18.8	20.1	19.2	20.3	20.7	18.8	20.0	19.2	20.3	20.6
4H	19.7	20.8	20.1	21.1	21.5	19.7	20.8	20.1	21.1	21.5
6H	20.5	21.5	20.9	21.9	22.2	20.5	21.5	20.9	21.8	22.2
8H	20.9	21.8	21.3	22.2	22.5	20.8	21.8	21.2	22.1	22.5
12H	21.2	22.1	21.6	22.5	22.9	21.2	22.0	21.6	22.4	22.8
8H 4H	20.1	21.0	20.5	21.3	21.7	20.0	21.0	20.4	21.3	21.7
6H	21.0	21.8	21.5	22.2	22.7	21.0	21.8	21.5	22.2	22.6
8H	21.5	22.2	22.0	22.7	23.1	21.5	22.2	22.0	22.6	23.1
12H	22.0	22.6	22.5	23.1	23.6	22.0	22.6	22.5	23.0	23.5
12H 4H	20.1	20.9	20.5	21.3	21.7	20.1	20.9	20.5	21.3	21.7
6H	21.2	21.9	21.6	22.3	22.7	21.1	21.8	21.6	22.2	22.7
8H	21.7	22.3	22.2	22.8	23.2	21.7	22.3	22.2	22.7	23.2

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.1 / - 0.2	+ 0.1 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.1 / - 0.3	+ 0.1 / - 0.3

CIE Pub.117, 923.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.3)
Area: 0.111111 m2

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
Temperature:25.3℃	Humidity:65.0%
Operators:	Test Distance:10.000m [K=1.0000]
Test Date:2024-03-14	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

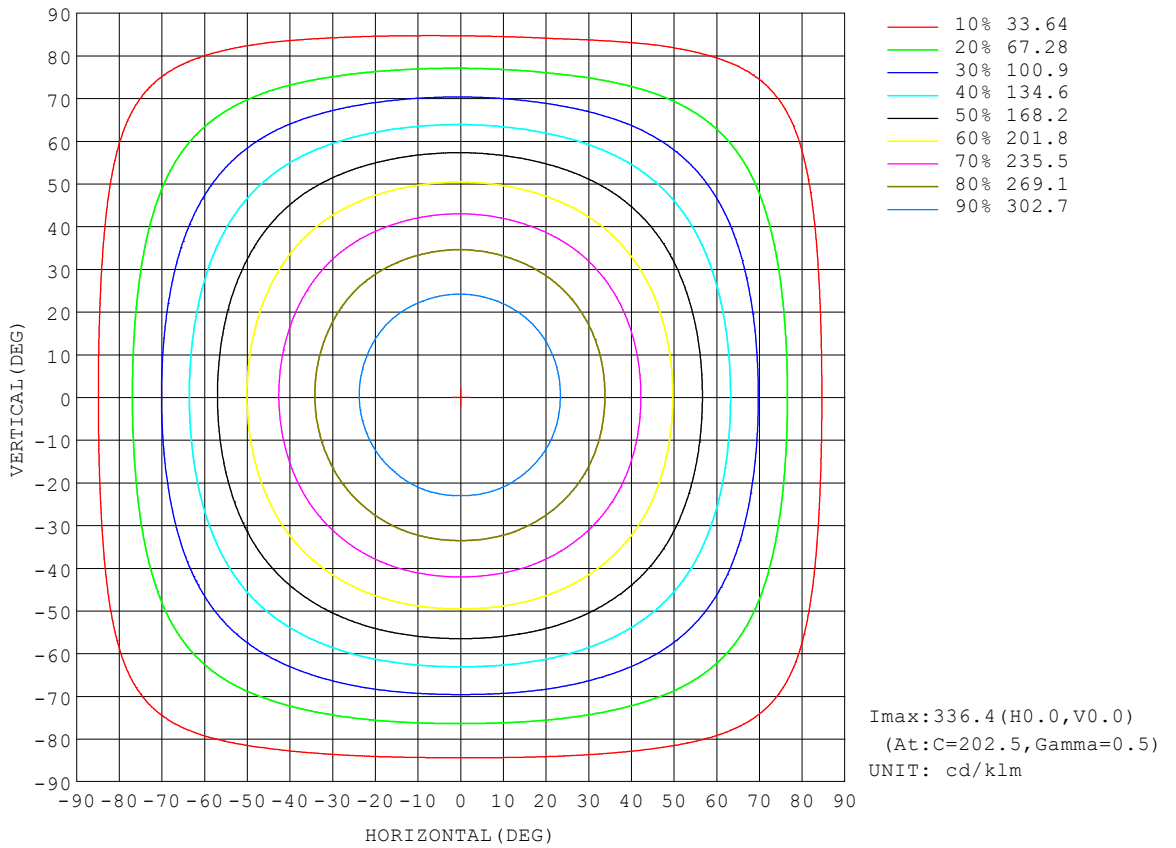
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	38	56	44	38	55	44	37	31
0.80	66	54	47	65	54	47	64	53	46	39
1.00	75	63	56	73	63	55	71	64	55	48
1.25	82	71	63	80	70	63	77	69	62	55
1.50	87	76	69	85	76	69	82	74	68	60
2.00	94	85	78	92	83	77	88	81	76	68
2.50	98	89	83	96	88	82	92	85	80	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

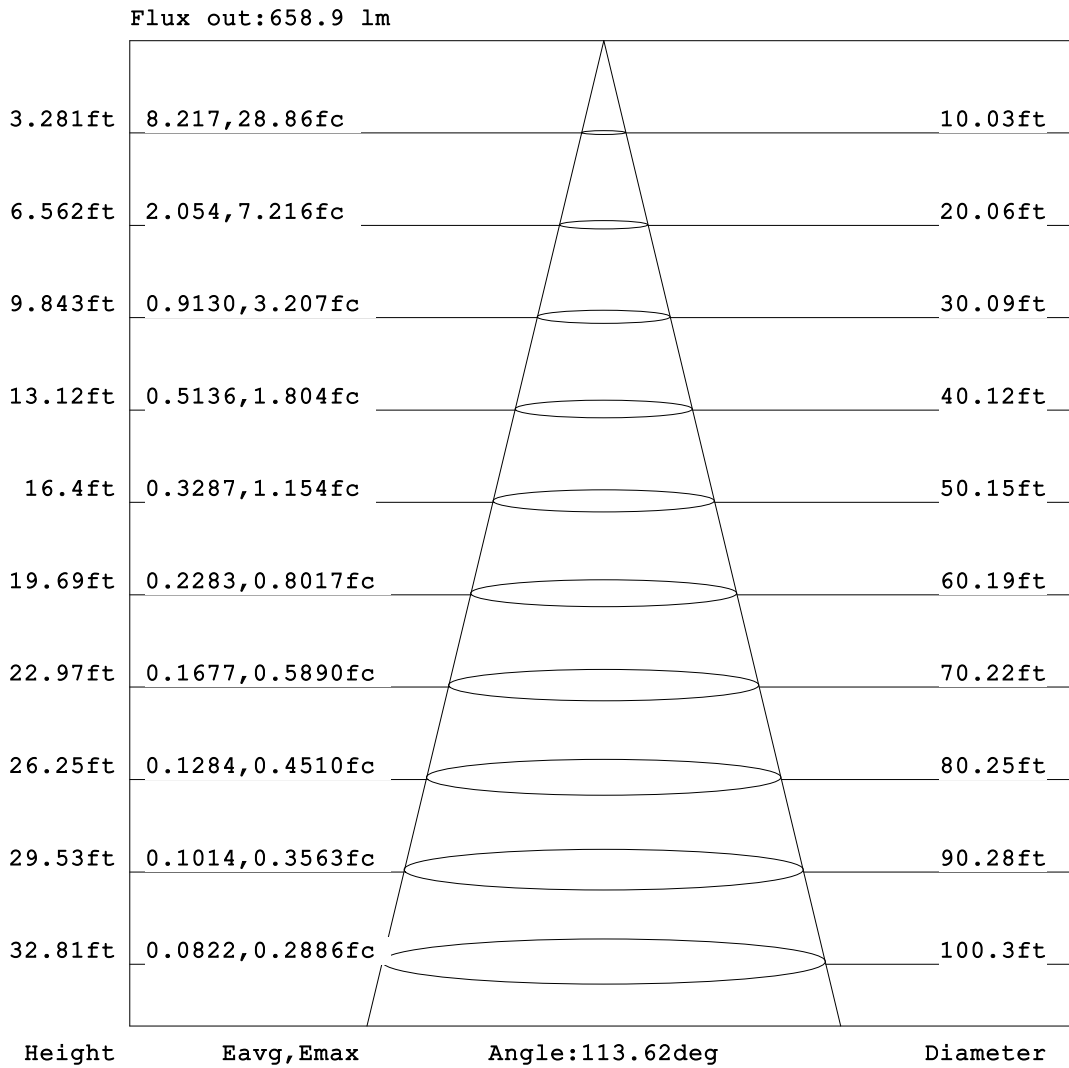


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2024-03-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



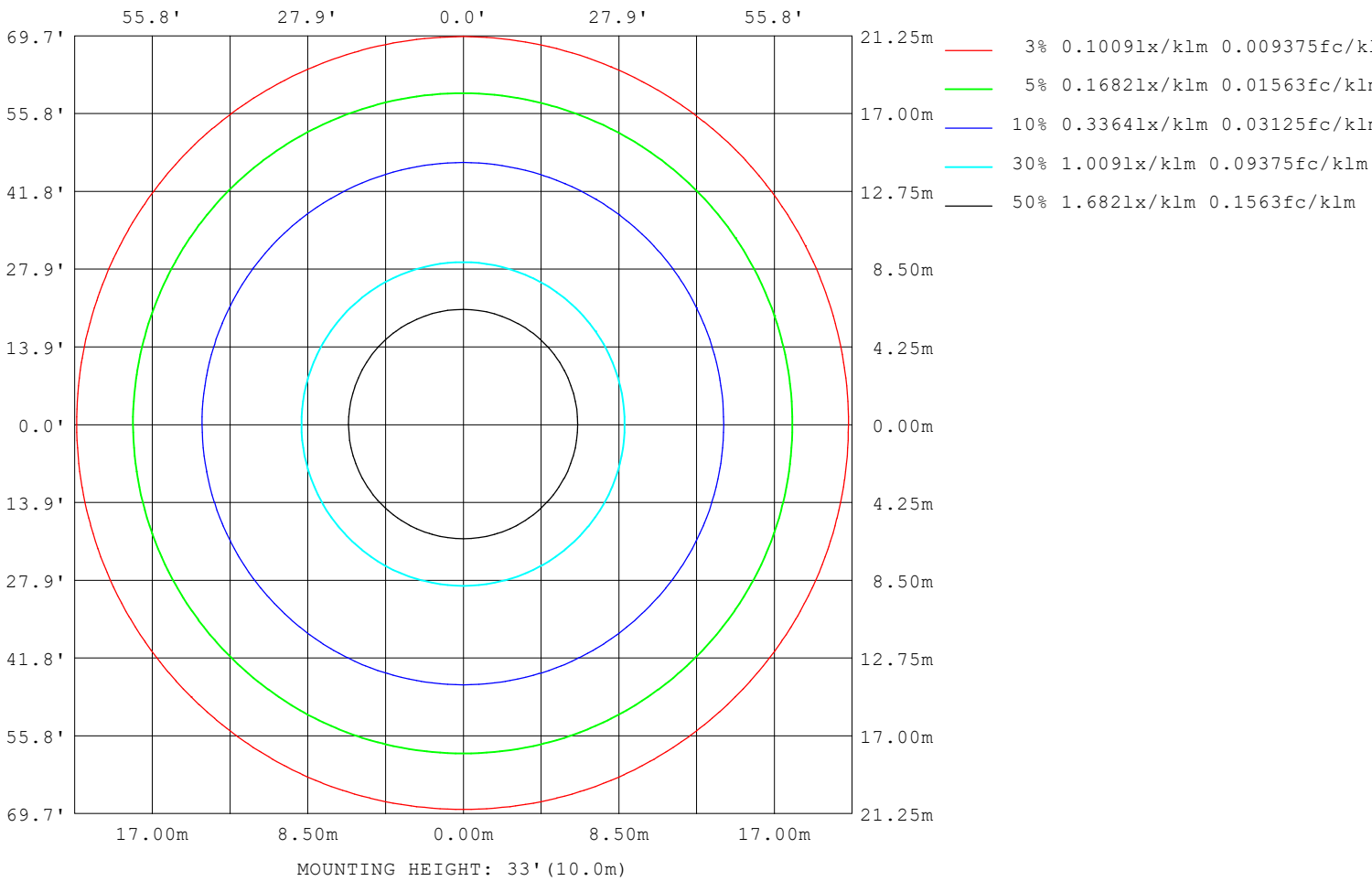
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2024-03-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

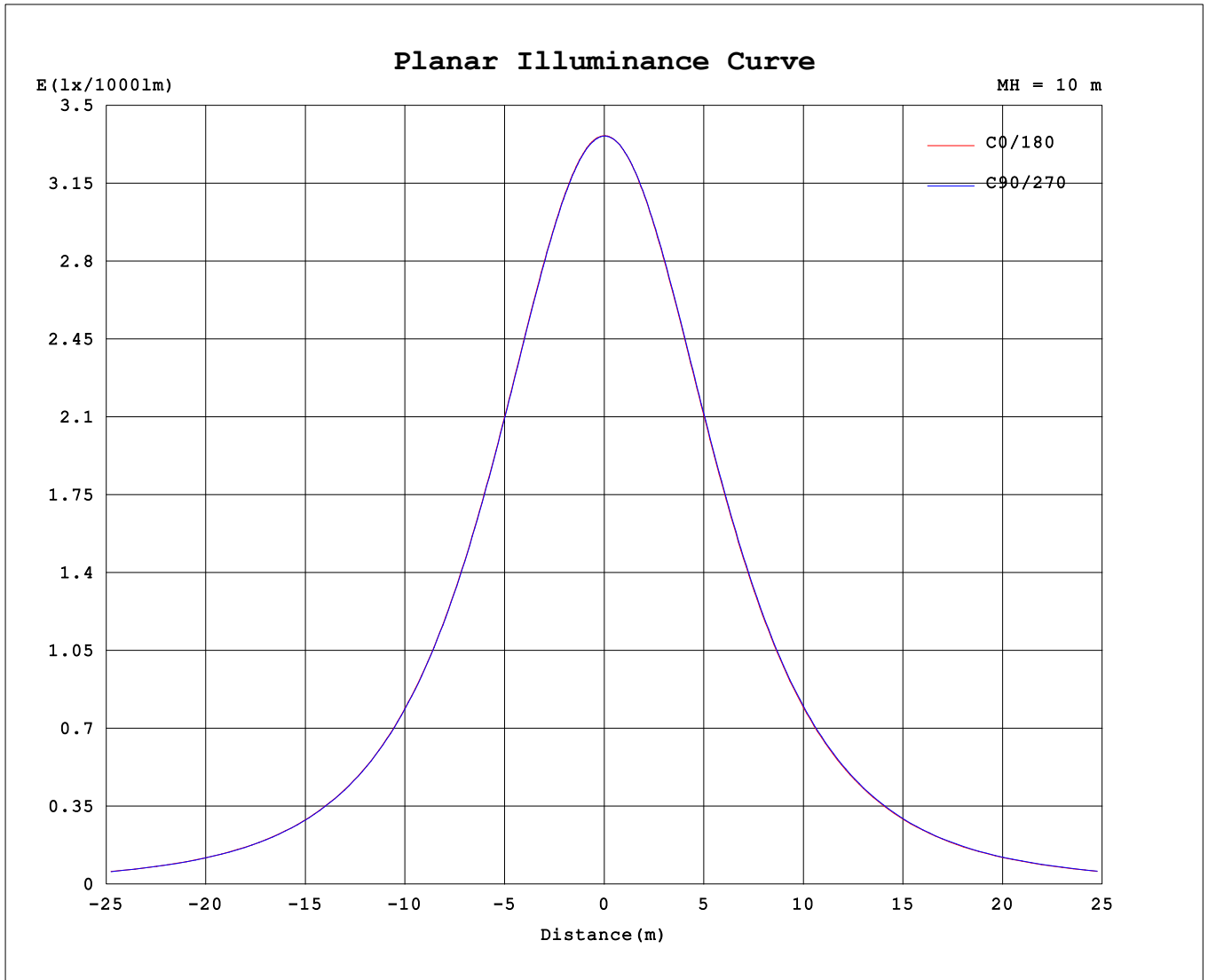
AvgL	cd/m2
L_0~180 (65) av	2485
L_0~180 (75) av	2427
L_0~180 (85) av	3126
L_90~270 (65) av	2493
L_90~270 (75) av	2429
L_90~270 (85) av	3041
L_45 (65) av	2490
L_45 (75) av	2431
L_45 (85) av	3119

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.70V I:0.1395A P:15.298W PF:0.9089 Freq:59.98Hz Lamp Flux:923.505x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

Table--1

UNIT: cd/klm

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336			
5	335	335	334	334	334	335	335	335	335	335	335	335	335	335	335	335			
10	330	330	330	329	329	330	330	330	330	331	331	331	331	331	330	330			
15	322	322	321	322	321	322	322	322	323	323	324	323	324	323	323	323			
20	311	311	311	311	311	311	311	312	312	313	313	313	313	313	313	313			
25	298	298	297	298	297	298	298	298	299	300	300	300	300	300	300	299			
30	282	282	282	282	282	282	282	283	284	284	285	285	285	284	284	283			
35	265	265	264	264	264	264	264	265	266	267	267	267	267	267	266	265			
40	245	245	244	244	244	245	244	245	246	247	248	248	248	247	247	246			
45	223	224	223	223	223	223	223	224	225	226	227	226	227	226	225	224			
50	200	201	200	200	200	200	200	201	202	203	204	204	204	203	202	201			
55	176	177	176	176	176	176	176	177	178	179	180	180	180	179	178	177			
60	151	151	151	151	151	151	151	152	153	153	155	154	154	153	153	152			
65	125	126	125	125	125	125	125	126	127	128	129	129	129	128	127	126			
70	99.6	99.8	99.3	99.5	99.0	99.6	99.5	100	101	102	103	103	103	102	101	100			
75	74.7	74.9	74.3	74.5	73.9	74.6	74.5	75.6	76.5	76.8	77.6	77.4	77.3	76.2	76.4	75.5			
80	51.8	51.9	51.6	51.5	51.1	51.6	51.9	52.6	53.2	53.6	54.4	53.9	53.5	52.5	53.2	52.5			
85	32.3	32.4	32.2	31.9	31.6	31.7	31.9	32.7	33.2	33.5	34.0	33.2	32.2	31.4	32.8	32.8			
90	17.9	17.9	17.9	17.2	16.8	11.5	17.2	18.0	18.3	18.6	18.6	12.8	14.8	16.2	17.8	18.0			

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
Temperature:25.3℃	Humidity:65.0%
Operators:	Test Distance:10.000m [K=1.0000]
Test Date:2024-03-14	Remarks: